DOCUMENT RESUME

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| IDENTIFIERS | California (Santa Barbara County); Chumash (Tribe); *Environmental Education Outdoor School Program CA |

ABSTRACT

The workbook was developed for use by students attending the Environmental Education Outdoor School Program. It is made up of 12 activity records of events and/or lessons learned, i.e., a map to be used in recording the trails taken on hikes; Chumash Indian cultural traits; fossils found and where they were found; and a Tequepis Canyon crossword puzzle. (AH)

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ED226917

# Environmental Education

# Outdoor School Program

## STUDENT'S WORKBOOK

1979

Santa Barbara County Schools Environmental Education Program

RC013893

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Printed by
SANTA BAREARA COUNTY SCHOOLS
Office of the Superintendent

Name _____

Tribe _____ Date _____

Cabin Leader _____ School _____

Hiking Group _____ Teacher _____

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WORDS TO THE WISE

The week at the Outdoor School offers you a great many experiences in which to gain a greater understanding, awareness, and appreciation of your environment.

The naturalist, through the learning medium of trail hikes and special activities, will hopefully motivate you to continue these environmental studies when you return to your home.

The success of both the program and the community spirit at the Outdoor School depends entirely on how well each and every individual student assumes his or her work and learning responsibilities.

During the week we invite you to contribute and participate fully in the experience of living with our Mother Earth; look, touch, feel, listen -- take home the beauty of our world which is so rightfully yours.

SANTA BARBARA COUNTY SCHOOLS ENVIRONMENTAL EDUCATION PROGRAM

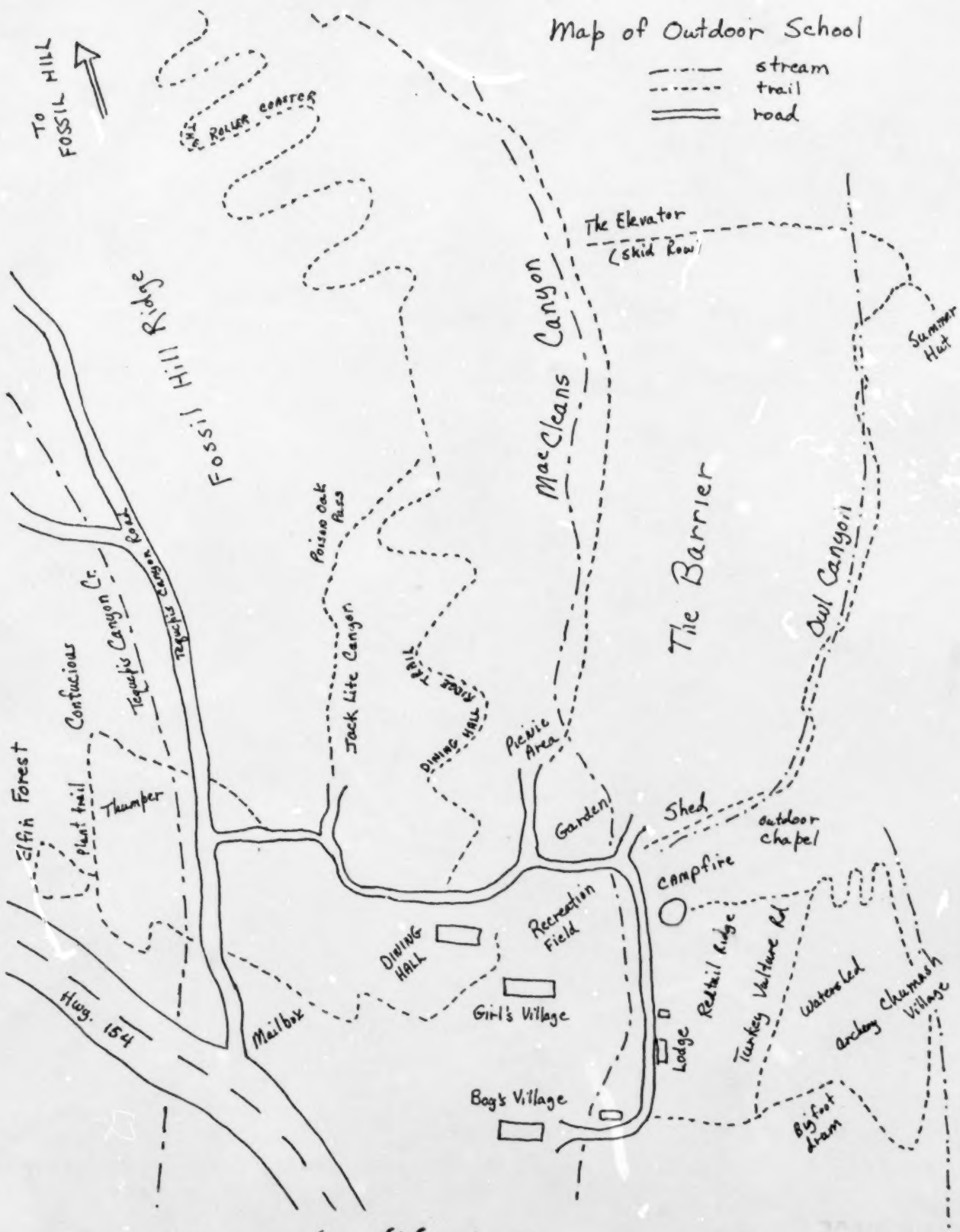
Name: _____

Tribe: _____

Cabin Leader: _____

# Weekly Schedule

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---|---|---|---|
| Arrive at camp<br>Cabin group assignment<br>Move into cabins | 8:00 breakfast | 8:00 breakfast | 8:00 breakfast | pack<br>clean-up |
| 12:00 lunch | 12:00 lunch | 12:00 lunch | 12:00 lunch | 12:00 lunch |
| | | | | leave for home |
| 6:00 dinner | 6:00 dinner | 6:00 dinner | 6:00 dinner | |
| | | | | |
| 9:00 bedtime | 9:00 bedtime | 9:00 bedtime | 9:00 bedtime | |




*What trails did you take on your hikes ?*
*(Mark them in with a pencil or crayon)*



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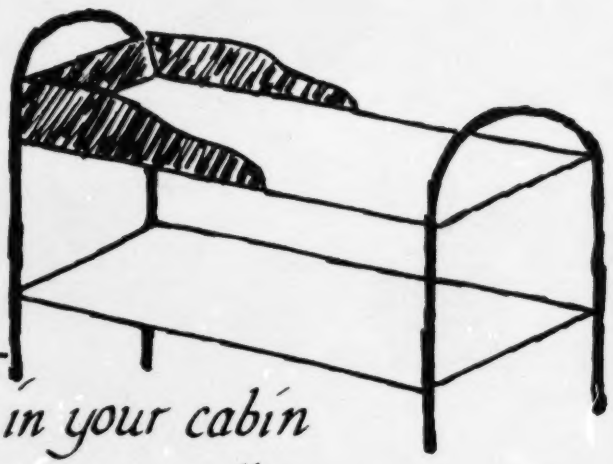
# Cabin Characters



Name _____

Tribe _____

Cabin Leader _____

Village Leader _____

## Names of other kids in your cabin

| | | |
|---|---|---|
| 1. _____ | 6. _____ | 11. _____ |
| 2. _____ | 7. _____ | 12. _____ |
| 3. _____ | 8. _____ | 13. _____ |
| 4. _____ | 9. _____ | 14. _____ |
| 5. _____ | 10. _____ | 15. _____ |

Did you sleep on the top or bottom bunk ?

Who were the new friends you made ?

What are some of the interesting things that happened in your cabin area during Outdoor School ?

What were some of your fears about living in the cabin before you went to Outdoor School?

Would you be afraid of any of those things now? (which ones?)

What good things happened in the village area or cabin that you didn't expect?

Name _____

Hiking Group _____

Naturalist _____

# Group Medicine

What is your Indian name ?

How would you paint this name on your face?

What would Chumash school be like ?

If you were a Chumash teacher, what would you teach ?

What Indian game did you learn ?
Describe the rules.

How would you make face paint ?

Here is an acorn bread recipe you could make at home; although a little fancier bread than the Chumash would have made.

## Acorn Bread

Leach Acorns:
(you fill in this part)

1 c. acorn meal
3 c. cornmeal
½ c. oil
½ c. molasses
½ t. vanilla
½ c. raisins
5 eggs
approx. 1½ c. milk

Bake at 325° for 30 min.

Name: _____

Hiking Group: _____

Naturalist: _____

## Scat Chat

What birds did we see?
Was there anything interesting about them? What?

Draw some animal tracks and/or scats we saw.

What animals that we saw or learned about on the hike were your favorites?

What animal would you like to be? Describe what it would be like to be that animal.
(e.g. what would you eat, who might eat you, when would you be looking for food, what would your home be like? etc.)

Name: _____

Hiking Group: _____

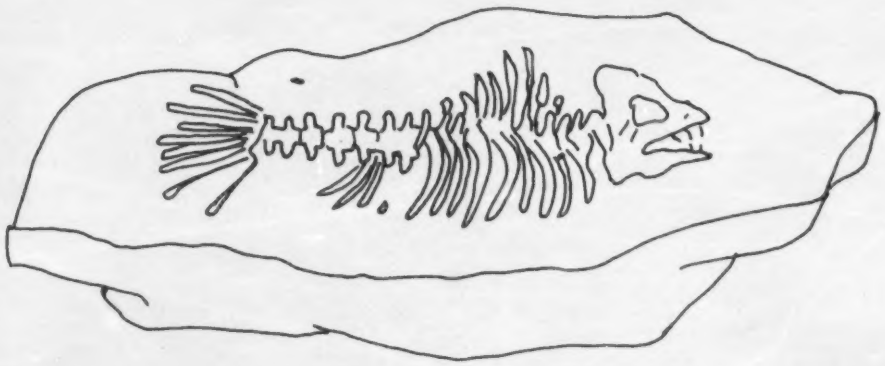
Naturalist: _____

# Fractured Fossils

Where did we go?

How many different fossils did you find?
Draw them.

Name the three types of rocks and tell how they were formed.



Draw a picture of camp as you think it looked 20 million years ago.

Draw or describe your favorite rock.

Other things I saw and did ....

Name: _____

Hiking Group: _____

Naturalist: _____

## Elfin Forest Gossip

How big is an elf? How do you know?

What communities did we visit? Which was your favorite?

What differences did you see, feel or measure between the elfin forest and the oak woodland?

*Why are plants important ?*

*Other tantalizing tidbits .....*

Name: _____

Hiking Group: _____

Naturalist: _____

## Nighthike News

Where did you go?

Did you hear anything? What?

Did you hike by starlight or moonlight?

What senses did you use to hike in the dark?

Did you see any constellations or hear any tall or short tales?

# Nature's Match-Up

1.) Trail _____
2.) Coyote _____
3.) Junco _____
4.) Owl _____
5.) Scrub Jay _____
6.) Medicine Circle _____
7.) Wasp _____
8.) Centipede _____
9.) Doe _____
10.) Soap Plant _____
11.) Raccoon _____
12.) Acorn Woodpecker _____
13.) Vision Quest _____

A.) Bird with feathery toes
B.) causes an oak gall to form
C.) track of this animal looks like a human hand
D.) makes an arrow-shaped track
E.) builds a fence around territory
F.) stores acorns in valley oak
G.) stores acorns in the ground
H.) small, has white outer tail feathers
I.) many segments, two legs/segment
J.) journey a young Indian makes
K.) plant Indians used to catch fish
L.) Indian school
M.) Indian symbol of universe

14.) Metamorphic

15.) Sycamore

16.) Chert

17.) Oak-Woodland

18.) Sandstone

19.) Scrub Oak

20.) Shale

21.) Chaparral

22.) Igneous

23.) Interdependent

24.) Valley Oak

25.) Sedimentary

26.) Communities

N.) Oaks are the dominant plant

O.) bushes are dominant plant

P.) always has to have roots in water

Q.) smallest oak tree

R.) oak that drops its leaves every winter

S.) plants grow in these groups

T.) nature is

U.) type of rock fossils found in

V.) rock modified by heat & pressure

W.) rock that comes from the interior of the earth

X.) Chumash made arrowheads out of this rock

Y.) generally makes good chalk

Z.) paint rock

# Mystery Message

1. Kind of hawk — — — — — — —
   8 23

2. Color of night sky — — — — —
   6 19

3. These Indians lived here long ago — — — — — — —
   28 5

4. The type of rock fossils are found in — — — — — — — — — —
   38 20 3 13 18 1 40

5. Acorn _____ (a kind of bird) — — — — — — — — —
   42 41 2

6. This word means the study of the earth — — — — — — —
   7 37 11 33

7. The fruit of the oak tree — — — — —
   15 12 21

8. This small rodent builds his nest in trees or on the ground — — — — — — —
   35 16 36 30 32 22

9. Animals that eat other animals — — — — — — — —
   10 27 17 25 31

10. This animal smells bad!

34 — — 24 —

11. What Indian liked matches and glue

— 14 — 29

12. Type of Oak tree

26 — 9 39 — 43 — — 4

## Mystery Message

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

22 23 24 25 26 27 28 29 30 31 32 33 34

35 36 37 38 39 40 41 42 43

# CROSSWORD PUZZLE CLUES

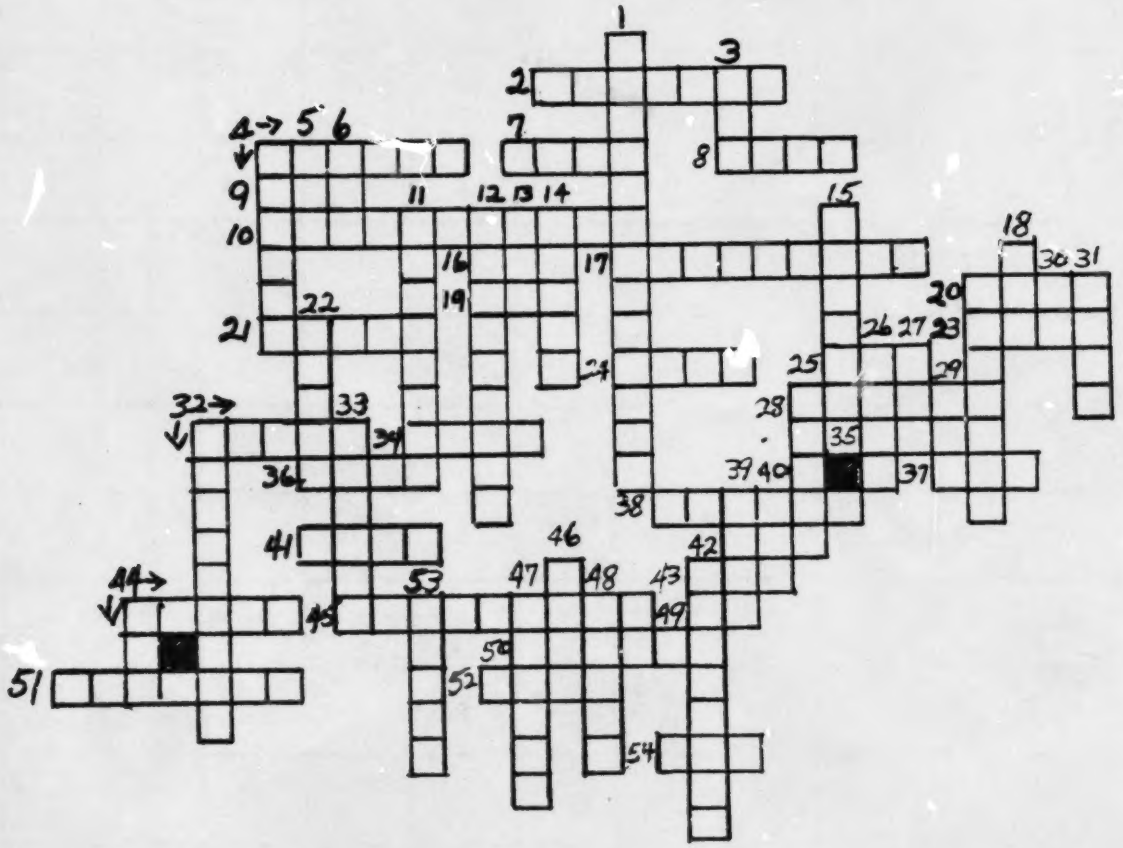
## Down

1. Large scavenger bird
3. Source of energy for plant growth
4. Remains of plants or animals in rock
5. Untruth
6. Opposite of young
11. Rain or snow are examples
12. Animals that are active at night
13. Pair
14. Synonym for "to change"
15. Nature's plow person
18. Littering
20. An animal that builds a large nest of sticks
22. Fruit of oak tree eaten by Indians
25. Crack in the Earth's surface where slippage can occur
26. Not dead
27. Entrance cost
29. Used for catching stream "critters"
30. So _____ (meaning "ok")
31. Eaten by predator
32. All of the plants and animals in an area are one
33. Getting closer is going ____ something
39. Another name for animal droppings
40. Cure leather
42. The things in soil that plants need for growth
44. Unruly gathering of people
46. Material plant roots are anchored in
47. First link in the food chain (bottom of the ecological pyramid)
48. Distinctive characteristics of skunks
53. A food _____ describes who eats whom

## Across

2. Indian Tribe of this region
4. Part of the plant that produces seeds
7. Predatory bird (Red-Tail _____)
8. Bird home
9. Fossil fuel
10. Rock formed in lakes or oceans
16. Night hunting, silent flying, bird
17. Deciduous oak tree
19. A kind of bed
20. Insect that causes oak galls to form
21. Inland bodies of water
23. Smell
24. Sycamore is an example
25. What one looks for in the elfin forest
28. Cabin mate
32. Rock used for arrowhead making
34. What a lizard does when he sees you
35. Turn sharply
36. Message
37. Another name for asphaltum
38. Indian grinding tool held in the hands
41. Bump on the back of a toad
42. Mountain lion is one
43. Animal that causes the most erosion
44. What the Chumash used beads for
45. Beetles, bacteria and molds do this to dead animals or plants
49. When you are tagged, you are _____
50. Combination of algae and fungus
51. Area that an animal or plant lives in
52. Tall story
54. Flying, mouse-like mammal

# Tequepis Canyon Crossword Puzzle



1979 DKH

# OUTDOOR SCHOOL - STAFF NAMES SCRAMBLE

| O | D | E | P | H | F | F | P | B | O | L | T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| R | S | A | G | E | G | R | R | E | C | F | V |
| C | N | N | A | M | E | K | A | N | S | X | A |
| N | O | T | T | E | R | T | I | N | Z | W | L |
| S | E | Y | S | H | N | B | R | I | K | I | R |
| B | U | D | O | E | A | P | I | L | A | I | E |
| D | T | N | I | T | N | B | E | T | D | O | E |
| F | R | V | N | B | E | W | M | H | P | Y | N |
| D | E | E | S | Y | P | P | O | P | T | R | T |
| A | E | V | F | N | B | O | O | S | T | R | L |
| S | B | T | L | A | T | R | N | S | I | E | A |
| M | E | C | S | O | M | F | I | D | N | B | U |
| U | A | B | W | O | N | U | S | O | A | L | R |
| S | R | L | R | E | C | W | P | Q | N | E | I |
| S | D | V | X | I | S | R | S | K | B | K | E |
| O | T | A | E | H | W | K | C | U | B | C | D |
| P | L | L | R | D | O | L | A | F | F | U | B |
| O | O | F | L | S | H | A | L | E | L | H | C |

How many staff names can you find?



1978-79